

## 8. Programming Eco-eye (continued)

### Option 003 - Changing the voltage.

If you know the precise voltage of your supply, you can change the default voltage value. Setting the precise value will increase accuracy.

### Option 004 – CO<sub>2</sub> factor.

Eco-eye calculates the CO<sub>2</sub> that is produced as your electricity is generated. If your electricity comes from renewable sources you may want to enter a different factor which can be supplied by your provider.

### Option 005 – Selecting your currency symbol.

Four currency symbols are available. Use the arrow buttons to cycle through these and press Oval Button A when the preferred one is displayed.

### Option 006 – Customising the display unit.

This allows you to reduce the number of display options shown on the screen. For example, you may only want to view Kw and cost per hour. Use Oval Button A to cycle through the various screen icons. For each one ON or OFF will be displayed.

Press the left arrow for ON and the right arrow for OFF (to deselect item)

**NOTE:** If currency icons are set as 'OFF', kWh readings are substituted for all selected time slots.

### Option 007 – Changing the radio channel on the display unit.

If several Eco-eyes are situated in close proximity, or interference from another source is experienced whilst using the default channel, it may be necessary to change the transmission frequency. The default channel is normally ch2 but any other number from 1 to 30 can be used providing both the transmitter and receiver are set to the same number.

*Ideally the transmitter channel should be changed before that on the display unit by the taking the following steps:*

*Remove the batteries. Press and hold the round button whilst at the same time re-installing the batteries. The LED on the front will illuminate. Release the button, then immediately press it the same number of times as the desired channel number e.g. Press 5 times for Channel 5. The LED on the front will then flash (brightly) the same number of times as the channel selected before emitting the normal low intensity flash coincidental with the update rate. The transmitter channel is now redefined.*

Now change the channel number on the display unit to match the channel number on the transmitter by using the Arrow buttons. Press Oval Button A to store information.

### Option 008 - Dual Tariff

The word dUAL is displayed. Press the left arrow to switch the dual tariff mode ON and the right arrow to switch OFF.

If dUAL is ON, you will need to enter the following details:

- (i) Time off-peak starts
- (ii) The off-peak unit rate
- (iii) Time off-peak ends

### Option 009 – Rotational Mode.

'rot' will appear on the screen.

Select ON to display chosen modes sequentially (4 seconds)

**NOTE:** Display selection is controlled by Option 006.

### Option 010 – Clear memory

'Clr' will appear on the screen. This will clear all stored history. Press and hold either arrow button followed by the Oval button until --- is displayed. Once this has been done data cannot be retrieved.

### Option 011 – Temperature adjustment.

Use this option to calibrate the temperature display against a known standard – i.e. If Eco-eye displays a reading which is known to be 1.5°C too high, select -1.5 and press the oval button.

## 9. General Information

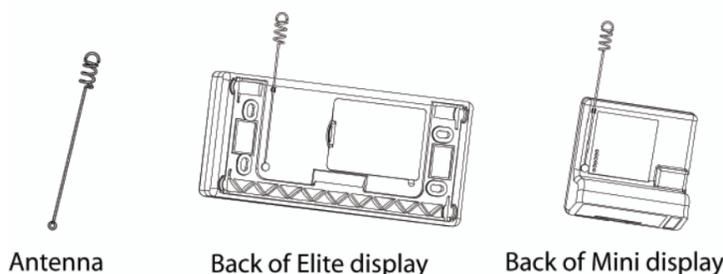
### Signal Strength

The handshake icon (bottom left of screen) is used to denote the following:

Long on, short off = good signal  
Long off, short on = weak signal  
No icon visible = no signal

### Improving Eco-eye Reception

Certain site conditions can give rise to reduced transmission /reception strength which can affect performance or produce rogue readings. This situation can be improved by fitting the optional antenna as shown below using the screw provided.



### Channel Identification

When batteries are installed into the transmitter, the LED flashes to indicate the programmed channel number e.g.: Channel 2 is default and will flash twice. See Section 8 for information on changing channels. Note: The channel number on both the transmitter and the display need to be the same.

### Low Battery

Transmitter batteries require replacement when a double flash appears on the LED during normal transmission. Receiver batteries require replacement when the battery icon is shown on the display. Note: Low battery power may result in poor transmission and inaccurate readings.

### Changing the batteries without losing data

When the Eco-eye receiver/display unit indicates that the batteries need to be replaced, follow this procedure in order to retain any collected data.

Press and hold the oval button, then press the right arrow button. The message S.toP will appear on the screen which means that transmission has stopped and the unit is in sleep mode. Once the batteries are removed you have 25 seconds to replace them. Press the oval button to reactivate Eco-eye - the message StAr will indicate that normal operation has recommenced.

For further information,  
see the FAQs and Technical Support pages  
at [www.eco-eye.com](http://www.eco-eye.com)

## Guarantee

This Eco-eye product is guaranteed for the period of one year from the date of purchase against defects in respect of both material and workmanship.

HOWEVER, this warranty does not apply to normal wear and tear and does not cover any parts damaged by misuse or neglect in any way, or by modifications made by any person other than those working for Eco-eye.

This guaranteed does not cover cracks or scratches to the screen under any circumstance, nor shall Eco-eye be held liable for any direct indirect, incidental, special or consequential loss or damage whatsoever caused by the use of Eco-eye even if advised of the possibilities of such damages.

In order to validate this guarantee, please ensure you keep your original receipt and read all instructions carefully.

Eco-eye is a trading name of  
Modern Moulds and Tools Ltd,  
The Modern Moulds Business Centre,  
Commerce Way, Lancing,  
West Sussex, BN15 8TA.

Email: [info@eco-eye.com](mailto:info@eco-eye.com) Website: [www.eco-eye.com](http://www.eco-eye.com)

*Would you like to start your own business by becoming an Eco-eye distributor? For further information, log onto our website today.*

### Also available:

**Eco-eye Solo** - An extra Mini display for use with all Eco-eye systems.

**AC/DC adapters** - For use with sender and/or transmitters.

**3 metre sensor cable extension** - for use (a) where the meter or fuse box is in a remote location (b) to reduce the distance between the sensor/transmitter and the receiver (c) to enable the transmitter unit to be positioned near a mains electricity socket (d) to enable to connection of an additional sensor where 2 supply cables need to be monitored.

**Additional Sensor** - for use with multi-phase or split source supplies.

**Wi-eye** - Enables collection of data from your Eco-eye for analysis using your PC.

**Eco-eye Plug-in** - Measure individual appliances with this easy to use plug-in unit.



## Set up and Operating Instructions

### Eco-eye Elite and Mini



Both Eco-eye Elite and Mini conform to quality standards: CE, PB, RoHS, amendment 2004/108/EC, EN55 022 Class B and EN 55 024 RTTE, 89/336/EEC.



Thank you for choosing to purchase this Eco-eye product. We hope that it will provide you with a long and trouble-free service and will encourage you to use electricity wisely.

## IMPORTANT Safety and Care

1. Before attempting to fit Eco-eye, ensure you have read and understood the fitting instructions fully.
2. Do not attempt to carry out any repairs to Eco-eye. Contact your retailer or Eco-eye direct if problems occur.
3. Use of Eco-eye near moisture or liquids; or in extreme temperatures can cause malfunction and damage.
4. Take care when handling and disposing of batteries. They can cause burns to skin or property if in contact with heat, conductive or corrosive materials. Remove batteries when storing Eco-eye for long periods to avoid corrosion.
5. The LCD screen is glass and should be treated carefully to avoid scratches. Should it become damaged, it may leak crystals which could be harmful to your health. Dispose of with great care.
6. Eco-eye should only be cleaned using a damp cloth. – Under no circumstance should any chemicals or cleaning agents be used.
7. Do not subject Eco-eye to any form of impact or shock.
8. IF IN ANY DOUBT regarding the installation of this product, consult a qualified electrician before proceeding.